ESTIMATED ENERGY PRODUCTION

Date Range
2001-06-21 TO 2002-03-07

SITE 3246

Site Information

Project:	Duck Valley, NV
Location:	Duck Valley, NV
Site Elevation:	7180FT
Averaging Time:	10 min

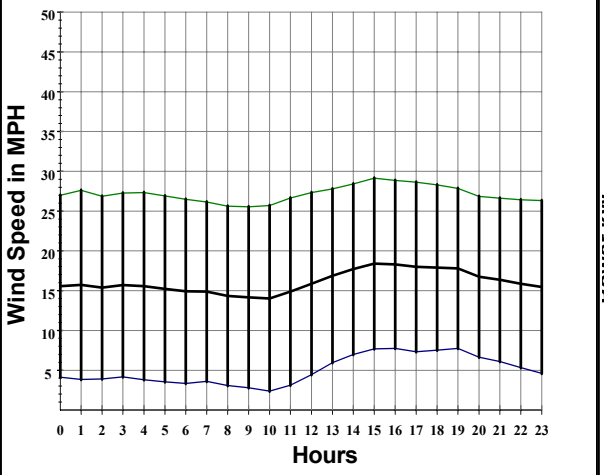
Sensor 1 Information

Channel:	1
Type:	Anemometer
Scale:	1.711000000
Offset:	0.7800
Description:	Anemometer
Height:	66FT

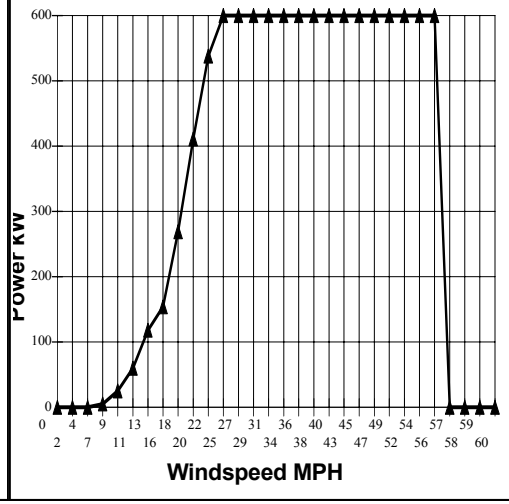
Sensor 2 Information

Channel:	2
Type:	Direction Vane
Scale:	1.000000000
Offset:	0.0000
Description:	Direction Vane
Height:	66FT

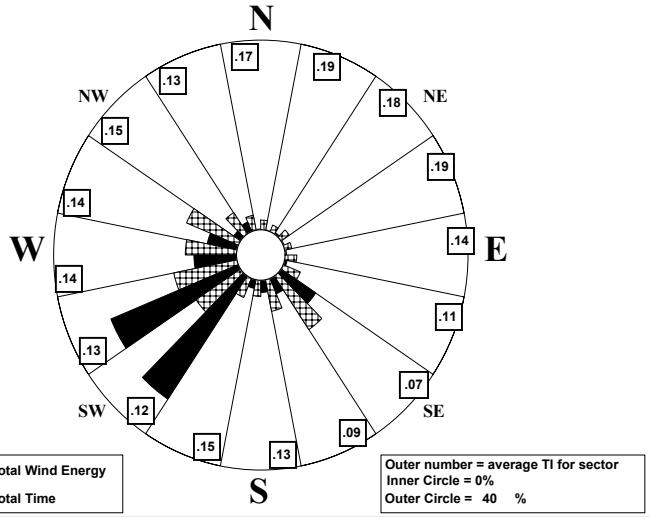
Diurnal Wind Speed Pattern



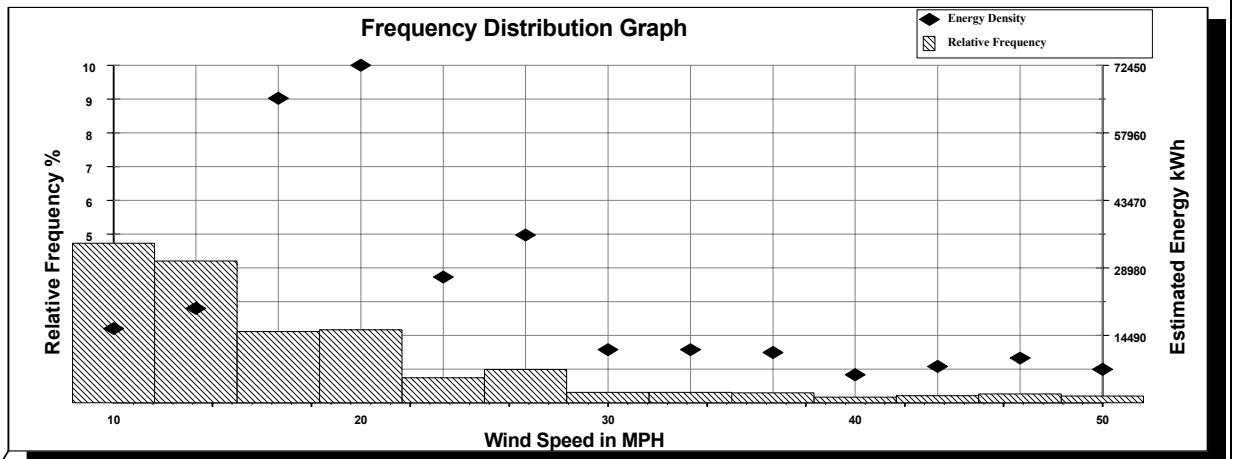
Power Curve for T600-52



WIND ROSE GRAPH



Frequency Distribution Graph



Statistics

Estimated Energy Output	**1317490 KWH**
Calculated Air Density	**0.979 kg/m3**
(temperature data and pressure based on elevation)	
Average Wind Speed	**16.1 MPH**
Average Turbulence Intensity	**0.14**
Mean Energy Wind Direction	**SW**
Mean Wind Direction	**WSW**
Capacity Factor	**0.37**
Average Temperature	**0.0 F**
Turbine Manufacturer	**Turbowinds Inland**
Turbine Model	**T600-52**
Turbine Rating	**600.0 kW**
Number of Turbines	**1**
Estimated Annual Production	**1902293 KWH/Year**

Total hours = 6240 Total hours used in Calculations = 6067 Percent Data used = 97.2

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